

## General Information cable reels

### Cable reels for OFC cable from the Prysmian Brøndby plant

#### Cable reels

Cables are delivered on wooden cable reels or polymer cable reels. There are four standard series of delivery reels:

##### Reels series F

Small polymer reels for fiber cords. The F26 reel has a capacity of 4000 m of 900  $\mu\text{m}$  fiber cord. The spindle bore diameter is 25 mm.

##### Reels series S

Reels series S are mainly made of polypropylene. The spindle bore size depend on the reel size, see table 1.

The polymer reels are marked with a recycling symbol, offering the opportunity to manufacture new products from the recycled reels. They can also be used for manufacturing energy, as carbon oxide and water are the only by-products remaining after burning polypropylene.



##### Reels series K

Reels series K are strong reels designed for heavy loads and for prolonged storage outside. They are made of North European softwood. The reel spindle hole is reinforced with a steel bushing. The spindle bore size depend on the reel size, see table 1.

The reel series K fulfil Swedish standard SS 84 28 01

## General Information cable reels

### ISPM no. 15

The wooden reel series K and P are heat treated and certified according to FAO International Standard for Phytosanitary Measures (ISPM) no. 15.

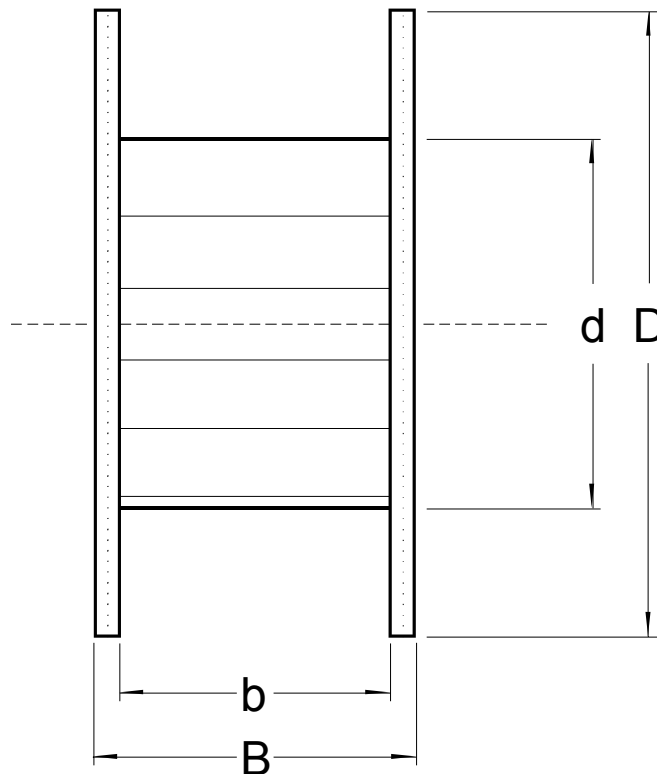
They thus fulfil the FAO "Guidelines for regulation of wood packing material in international trade" of 2002 with modifications 2006. They also fulfil the requirements of the EU Directive 2004/102/EC.

### Reel dimensions and cable capacities

The dimensions and nominal weight of the reels are given in the table 1 below. The reel weight may vary due to the moisture content of the reels.

In table 2a and 2b, the maximum nominal capacity of the reels is given as a function of the cable diameter in the table below. It is not possible to specify the reel capacity as delivery length.

However knowing the delivery length and the cable diameter, the reel can be selected from Tables 2a and 2b.



## General Information cable reels

**Table 1: Reels, nominal dimensions and weights.**

Reel type	Flange diameter D [mm]	Barrel diameter d [mm]	Outer width of reel B [mm]	Internal width b [mm]	Spindle bore ø [mm]	Nominal weight [kg]
F26	265	175	170	150	25	0.75
S40	400	175	265	235	75	2
S40A	400	202	380	340	75	2.5
S40B	400	202	480	440	75	3
S60	600	250	470	400	75	11
S80	800	500	576	500	82	16
S10P	1000	500	515	400	82	29
S10	1000	500	715	600	82	30
K11	1100	580	770	650	106	55
K12	1200	680	990	850	106	90
K14	1400	800	990	850	110	115
K16	1600	950	1020	850	110	195
K18	1800	1100	1020	850	140	230
K20	2000	1300	1200	1000	140	340
K22	2200					

**Table 2a: Nominal cable dimension and maximum cable length on reels series S**

Diameter [mm]	S40	S40A	S40B	S60	S80	S10P	S10
1,6	6100						
1,8	4800						
2,0	3900	4900					
2,5	2500	3100	4100				
2,8	2000	2500	3200				
3,0	1700	2200	2800				
3,5	1200	1600	2100	5800			
4,0	900	1200	1600	4400	7300		
4,5			1200	3500	5700		
5,0			1000	2800	4600	7900	
5,5				2300	3800	6500	
6,0				1900	3200	5500	8200
6,5				1700	2700	4700	7000
7,0				1400	2300	4000	6000
7,5				1200	2000	3500	5300
8,0				1100	1800	3100	4600
8,5				900	1600	2700	4100
9,0				800	1400	2400	3600
9,5					1200	2200	3300
10,0					1100	1900	2900
10,5					1000	1800	2700
11,0					900	1600	2400
11,5					800	1500	2200
12,0					800	1300	2000
12,5					700	1200	1900

## General Information cable reels

Diameter [mm]	K11	K12	K14	K16	K18	K20	K22
5,5							
6,0							
6,5							
7,0	7800						
7,5	6800						
8,0	5900						
8,5	5300	7700					
9,0	4700	6900					
9,5	4200	6200					
10,0	3800	5600					
10,5	3400	5100	6900				
11,0	3100	4600	6300				
11,5	2800	4200	5800				
12,0	2600	3900	5300	6800			
12,5	2400	3600	4900	6200			
13,0	2200	3300	4500	5800	7100		
13,5	2100	3000	4200	5300	6600		
14,0	1900	2800	3900	5000	6100	8300	
14,5	1800	2600	3600	4600	5700	7700	
15,0		2500	3400	4300	5300	7200	9100
15,5		2300	3200	4000	5000	6700	8500
16,0		2200	3000	3800	4700	6300	8000
16,5		2000	2800	3600	4400	5900	7500
17,0		1900	2600	3300	4100	5600	7100
17,5			2500	3200	3900	5300	6700
18,0			2300	3000	3700	5000	6300
18,5			2200	2800	3500	4700	6000
19,0			2100	2700	3300	4500	5600
19,5			2000	2500	3100	4200	5400
20,0			1900	2400	3000	4000	5100
21,0				2200	2700	3600	4600
22,0				2000	2500	3300	4200
23,0				1800	2200	3000	3800
24,0				1700	2100	2800	3500
25,0					1900	2600	3200
26,0					1700	2400	3000
27,0					1600	2200	2800
28,0					1500	2000	2600
29,0						1900	2400
30,0						1800	2200

© PRYSMIAN GROUP 2011, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.